



Halo Knight

Electric Scooter User Manual

English

Welcome

Welcome and congratulations on your purchase of a new Halo Knight E-scooter! Thank you for choosing and supporting us.

WELCOME TO OUR SCOOTER FAMILY! The joy of speed is just moments away. We believe in the convenience and ease that electric scooters bring to daily life. Our commitment to quality ensures that each e-scooter is built to last, and that's why every scooter comes with a limited warranty.

We hope you have many carefree and enjoyable rides with your new e-scooter. However, if you encounter any issues, please don't hesitate to reach out to your supplier. If the problem persists, feel free to contact our customer care team for a swift resolution.



Stay connected with us:

Official Website: www.haloknights.com

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Important to read before the first ride

The most important points for you to do:

1. Read the Manual. Even if you have ridden a scooter for years, it is important for every person to read the specific “E-Scooter Owner’s Manual” carefully before you ride on the new e-scooter.

- The manual contain detailed information and useful suggestions about your new scooter.
- Make sure that you understand the proper use, maintenance, and disposal of the components of the electrical system of your new e-scooter.

2. Prioritize Safety. Your safety and that of other road users is very important.

- Check your scooter for normal operation, loose parts and defects before riding. If you find any problem, visit your authorized scooter shop for repairs before riding or contact our customer care team for a swift check.
- Be aware that other road users (cars, trucks, motorcycles) do not expect that an e-scooter can ride so fast. Riding faster also increases the risk of accidents. Distances will close much faster, and braking distances will become longer.
- Do not ride abusively. Only ride in the use conditions specified for your scooter.

3. The electric system of your new scooter needs special attention.

- Do not clean your e-scooter with a high pressure washer. Any electrical system is sensitive to moisture. High pressure water might enter connectors or other parts of the electric system.
- Do not allow a Li-Ion battery (in the battery compartment) to suffer any mechanical or physical impacts or make any internal modifications. In an extremely rare case, a battery that has been severely impacted or otherwise mishandled could potentially catch fire. If you suspect damage to your battery, visit your local authorized scooter shop immediately for inspection or contact our customer care team for a swift check.

4. Maintain the battery as instructed in this E-Scooter Owner’s Manual.

Failure to follow these instructions may result in damage to your battery and may require battery replacement:

- Only charge the battery with the included charger.
- Charge the battery indoors or in a garage at room temperature to avoid exposure to rain or wind.
- When you do not use the e-scooter for an extended period of time, charge the battery to 80% to meet the optimum storage condition. Check the charge level again after 1-2 months. If the remaining charge of the battery is less than 30%, charge it again to 80%. Once charging the battery is complete, unplug the charger from the scooter first, then unplug the charger from the wall socket.
- Your e-scooter has a built-in Li-Ion battery. Any Li-Ion battery will self-discharge over time. If the battery is left uncharged, then stored without charging, it may discharge to such a low state that the battery can no longer be charged and must be replaced.
- Store the e-scooter in a dry, well-ventilated location. Protect the battery against moisture and water.

- The battery can be stored at temperatures between (minimum) -20°C (-4°F) and (maximum) +50°C (122°F). For a long battery life, however, it is best to store the battery at room temperature of approximately 20°C (68°F).

5. Be careful when transporting an e-scooter.

- An e-scooter is very heavy. If transporting on a vehicle, be aware of the maximum load capacity of the vehicle's roof, towing hitch and/or the scooter carrier.

- Always respect local laws about transportation of an e-scooter.

Because Li-Ion batteries of this size and power are considered 'Dangerous goods, class 9' when transporting, regulations may restrict the transport of separate Li-Ion batteries in some places. Before booking your trip, make sure to check ahead with your airline or carrier if it is allowed to travel with your complete e-scooter.

6. Obey local regulations.

In most countries the regulations for the use of an e-scooter are the same as those for electric bike. However, there may be local differences such as where you can ride, minimum rider age, or required equipment and registration.

It is the rider's responsibility to know the local regulations that apply to an e-scooter and to obey them.

7. Regular Maintenance. Visit your local scooter shop regularly for expert maintenance. For any questions, reach out to our customer care team.

Limited Warranty

Your Halo Knight E-scooter is covered by a Limited Warranty. Please visit our website for detailed warranty information.

We wish you countless enjoyable rides with your new E-scooter. If you have any concerns or inquiries, do not hesitate to contact us.

Happy Riding!



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1. Security and warnings

Thank you for choosing your new Halo Knight e-scooter. We sincerely hope that you will enjoy your ride.

This owner's manual is intended for the user to operate the product and maintenance the product.

1.1. Important notices

WARNING

- Please carefully read all of the safety warnings and instructions throughout the manual.
 - Failure to follow these warnings and instructions could result in severe injury or death.
- Users who are not professionally trained for scooter assembly should not attempt to install, disassemble, or modify components.
- If you have any concerns about the operation of its components, or if you suspect damage to the battery, visit your local authorized Halo Knight repair shop immediately for an inspection or contact our customer care team for a swift check.

About Warning Symbols

As you read this manual, you will see gray warning boxes like this:

WARNING

Text in a gray box with the safety alert symbol will warn you about a situation or behavior that could cause severe injury or death.

About Images

- Halo Knight is consistently optimized and updated. The e-scooter or components shown in this manual and ads may differ visually from the Halo Knight e-scooter you received.
- All information provided in this manual is still applicable to your e-scooter.

1.2. Safety instructions

Instructions Pertaining To A Risk Of Fire, Electric Shock, Or Injury To Persons.

⚠️ WARNINGS

When using Halo Knight e-scooters, basic precautions should always be followed, including the following:

- To reduce the risk of injury, close supervision is necessary when the e-scooter is used near children.
- Do not use the e-scooter if any flexible power cord or output cable is frayed, has worn insulation, or shows any other signs of damage.
- Always check the charger, cables, and power cord for any damage before charging the battery.
- Please follow these steps for charging: Begin by plugging the charger into the scooter charging port, ensuring correct alignment, and then connect the power supply. Avoid connecting the charger to the power supply first and then plugging it into the scooter charging port carries the risk of accidental reverse plugging, as this may cause a short circuit in the charging port and even pose a potential fire hazard.
- Avoid touching the charging port with metal objects, as this could lead to a severe short circuit and the risk of an immediate fire.
- Do not ride your scooter in the rain or through puddles. Avoid water entering the electronic components or battery compartment, as it may result in a short circuit and damage. Please note that such damage will not be covered by the warranty.
- Only charge the battery using an original Halo Knight charger.
- Do not immerse the e-scooter or any e-scooter component in water.

⚠️ WARNINGS

- Do not place the e-scooter or any electronic components (like the charger) near hot or flammable objects or materials.
- The electronic components are not intended to be used at ambient temperatures lower than -10°C (14°F) or over temperatures of 45°C (113°F).
- Use only genuine Halo Knight replacement parts. If you use anything other than genuine Halo Knight replacement parts, you may compromise the safety, performance, or warranty of your e-scooter.
- Do not modify your e-scooter to increase the power or maximum speed.

1.3. Safety checks before every ride

- The battery pack must be charged and do not run out of the battery power, will damage the battery.
- Inspect and securely tighten all screws and engage the safety lock.
- The display must be on and functioning properly.
- The brakes must be working properly.
- Tires must be inflated to the proper psi.

- The front and rear lights must be working properly.
- Cable connections must be secure.
- Confirm the handlebar, front and back wheels are fastened securely.

⚠ WARNINGS

Before each ride, ensure that the handlebar, safety lock of folding system, seat tube lock, front and back wheels and all screws are securely fastened. Check the proper functioning of the brake system, acceleration, front and rear lights and horn, and confirm that the tires have the correct air pressure to ensure riding safety.

1.4. Riding safety

- Make sure you are familiar with your new e-scooter before riding it on roads with multiple vehicle lanes and pedestrian footpaths.
- Do not start on the fastest gear right away. Start on the low gear for your first few rides.
- Do not focus on the console while riding. A distracted rider increases the risk of being involved in an accident.
- The speed limited control is designed to provide riding support up to the speed limits in compliance with local regulations (e.g. 25 km/h in the EU region and Australia). Do not modify your e-scooter or fit any other equipment to increase the power or maximum speed of your scooter, this will render the scooter illegal and void the warranty.
- Follow all road rules and adhere to local traffic laws.
- Show consideration for motorists, pedestrians, and fellow cyclists. Avoid racing or engaging in provocative behavior with other cyclists.
- Refrain from carrying passengers and items.
- Be mindful of prolonged braking distances in rainy or snowy conditions. Consider slowing down. In heavy rain and other severe weather, avoid traveling altogether.
- Be vigilant about waterproofing to shield the battery pack from water exposure, the water inlet is not guaranteed.
- Strictly prohibit subjecting the battery to strenuous vibration, impact, or extrusion.
- Refrain from charging the e-scooter in domestic areas like the kitchen, living room, or bedroom.

⚠ WARNINGS

- When riding a scooter, ensure your safety by wearing a helmet, holding the handlebars with both hands, stepping on the pedals with both feet, and accelerating slowly. Avoid tilting the tires or making dangerous movements.
- Refrain from riding in adverse weather conditions such as rain or snow, where the ground is slippery, braking distances are longer, and there is a risk of slipping and falling.
- Always comply with local traffic regulations, ride on designated safe roads, and avoid high speeds or dangerous road sections. Failure to follow this warning may result in serious injury or death.

2. Assembly instructions

The e-scooter model demonstrated in the following assembly pictures may differ from the one you received, but the assembly and folding steps are still applicable to your scooter. If you require an assembly video specific to the model you purchased, please visit our official website for inquiries or contact our customer care team to request the relevant assembly video.

2.1. Installation instructions

- ① Press silver rod in our own direction to unfold the scooter
- ② Push up the red rod (safety lock) to the groove
- ③ Rotate the outer ring of the handle
- ④ Unlock the safety buckle of the vertical pole
- ⑤ Press the button on the rod to higher suitable position
- ⑥ Lock the safety buckle of the vertical pole
- ⑦ Done



2.2. Folding instructions

- ① Unlock the safety buckle of the vertical pole
- ② Press the button on the rod to lower position
- ③ Rotate the outer ring of the handle
- ④ Fold the handle
- ⑤ Pull out the red rod (safety lock)
- ⑥ Press sliver rod in our own direction to fold the scooter
- ⑦ Done



2.3. Assembly considerations

Notes:

The electric scooter undergoes strict quality control and inspection before leaving the factory. However, due to long-distance transportation, some screws may become loose, or the brake disc may become misaligned. Customers are advised to check, tighten, and debug after installation.

⚠ WARNINGS

- When adjusting the height of the scooter, it is essential to first release the safety buckle of the vertical pole, otherwise, the yellow metal ball in the vertical rod may be forcefully pressed in the vertical rod tube, necessitating the replacement of the vertical rod. After adjusting the scooter height, ensure to securely lock the safety buckle of the vertical pole for safety.
- The yellow metal ball used to adjust the height of the vertical pole must be pressed down with the middle of the thumb. Do not press it with sharp objects, as it may easily press the yellow metal ball into the vertical pole tube, requiring replacement of the vertical rod.
- After installing the scooter, ensure to pull up the red safety lock of the folding system. Failure to do so may result in the scooter folding during rides, could result in severe injury or death.
- Check the tightness of the screws at the bottom of the scooter frame (folding system), and tighten the bottom screw to the appropriate tightness to make the red safety lock of the folding system has resistance when being pulled up and does not fall off easily. (If the bottom screw is too tight, the red safety lock cannot be pulled up, and it will easily break if it is pulled up forcibly. If the bottom screw is too loose, the red safety lock will easily fall off while riding, could result in severe injury or death.)
- After installing the scooter, verify the tightness of all screws, paying particular attention to the handlebar screws, vertical pole locks, bottom screws at the scooter frame, the six screws for the front and rear motors, and bearing screws for front and rear wheels.
- After installing the scooter, it is recommended to elevate it on a stool to accelerate confirm that the front and rear wheels are operating normally, then proceed to a low-speed test ride on the ground before riding fast.

3. Charging instructions

- Your e-scooter is equipped with 1-2 charging ports on the frame for the integrated battery. The quantity and type of ports and chargers may differ visually from different models.
- All charging instructions provided in this manual is still applicable to your e-scooter.

3.1. Charging safety instructions

Only charge the battery by following all safety descriptions.

Please read and follow the instructions for using the battery charger.

CAUTION

Ensure that the battery of the e-scooter is fully charged before the first use.

► About charging

- Charge the battery indoors or in a garage at room temperature, to avoid exposure to rain or wind. Do not use the charger outdoors or in environments with high humidity.
- Do not leave a charging battery unattended. Once the battery is fully charged, disconnect it from the charge cable right away.
- Do not try to use the e-scooter or charge the battery if the location where the integrated battery is mounted has any signs of damage.
- When charging the e-scooter, do not move the battery charger. The battery charger's AC-plug may come loose from the electrical outlet, resulting in a risk of fire.
- Do not leave the charger plugged into the e-scooter for more than 24 hours. If the e-scooter battery is not fully charged in 24 hours, contact our customer care team or contact your local authorized Halo Knight scooter shop for assistance.

► About the charger

WARNING

Use of an non-original battery charger presents a fire risk, which may result in serious injury or death.

- Only use the original Halo Knight charger to charge your Halo Knight battery.
- Do not place the battery charger in locations that are easily accessible to children.
- Do not place the battery charger on the floor or other dusty places when it is in use.
- Place the battery charger on a stable, heat resistant surface, such as a table, when it is in use.
- Do not cover or place any objects on top of the battery charger or its cable.
- Do not use the battery charger with commercially-available electrical transformers designed for overseas use (travel converters). They may damage the battery charger.

CAUTION

Prevent the charger getting wet. If the charger is wet, do not touch any parts of the charger, electric shocks may occur.

► About the outlet and power cord

- Do not apply excessive tension to the power cord and AC-plug.
- Only use a 100 to 240 VAC electrical outlet.
- Do not overload the outlet beyond its rated capacity by connecting too many appliances. Overloading the outlet can lead to overheating, resulting in fire.
- Be sure to hold the AC-plug to (dis)connect the charger to the outlet. Do not pull on the power cord to disconnect the charger. Failure to do so may damage the power cord and/or AC-plug and cause short-circuits, an electric shock, or a fire.
- When charging the e-scooter, be careful not to trip over the charger cord. This may lead to injury or cause the scooter to fall over, damaging the components.
- The charger is equipped with a power cord that has an equipment-grounding conductor and a grounding plug. The AC-plug must be plugged into an outlet with a circuit breaker that is properly installed and grounded in accordance with all local codes and ordinances. If there is a charging malfunction, grounding provides a path of least resistance for electric current to reduce the risk of an electric shock.

⚠ WARNING

Improper connection of the equipment grounding conductor may result in electric shock. Check with a qualified electrician if you are in doubt as to whether the product is properly grounded. Do not modify the AC-plug provided with the product. If it will not fit the outlet, have a proper outlet installed by a qualified electrician.

► About malfunctions

If the following symptoms are observed, stop using the device, immediately disconnect it from the outlet and contact our customer care team to check for you.

- If heat or smoke is coming from the AC-plug.
- If the AC-plug or charger plug is visually damaged.
- If the LED indicator on the charger still does not illuminate with the charger connected to the outlet.
- If the red LED on the charger flashes during the charging process to indicate a charging error has occurred.
- If you suspect any other malfunction.

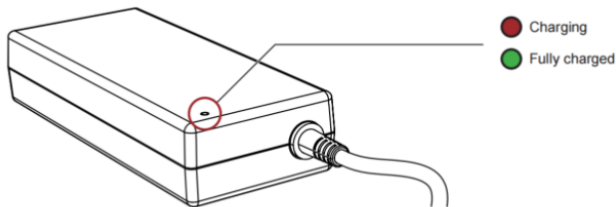
3.2. Charging the battery

► Before charging

- Regularly inspect the charging socket and charger for damage. Never charge the battery, or use the e-scooter, when you suspect it to be damaged or broken.
- Make sure the outlet and AC-plug of the charger are undamaged and dry before connecting and charging the battery.

► Indicator on charger

- During the charging process, the LED indicator on the charger will illuminate red.
- When the battery is fully charged, the LED indicator on the charger will turn green.



Notes

- If the red LED indicator flashes during the charging process, a charging error has occurred. In that case, immediately remove the charger from the socket. Discontinue the use of the e-scooter and contact our customer care team to check for you.
- The battery is equipped with a Battery Management System (BMS). It is designed to protect a fully discharged battery from damage. However, in order to maintain the best possible battery performance and lifespan, Halo Knight recommends regularly recharging your battery to at least 80% of the full capacity.
- The Li-ion batteries gradually lose capacity depending on age and use. A significantly reduced operating range after charging can be a sign that the battery is reaching the end of its useful life and has to be replaced.

► Charging procedure

- You can use two chargers simultaneously to shorten the charging time if your scooter is equipped with two ports and chargers.
- The battery can always be charged, regardless of the current charge level.
- The charging can be interrupted at any moment. Interrupting the charging process will not damage the battery.
- Please perform charging in environments between 0°C (32°F) to 40°C (104°F).

⚠ CAUTION

- Always turn off the e-scooter manually before charging.
- When charging with 2 chargers at the same time, the LED lights of the two chargers may not turn green at the same time. There is usually a slight time difference. Wait until both chargers turn green before disconnecting.
- Avoid touching the charging ports with metal objects, will lead to a short circuit.
- Do not reverse or short-circuit the negative and positive in the charging ports.
- Always charge your e-scooter before exhausting the battery to prolong the battery's lifespan. When not using the e-scooter for an extended period, charge the battery once a month to make the battery always has power and protect the battery.

1. Open the cover of the charging port on the e-scooter(when the battery are installed).
2. Connect the charger's charging plug with the charging ports on the scooter.
3. Plug the AC-plug of the charger into an outlet (100 to 240 VAC). The LED on the charger will illuminate red while charging.
4. While charging, the LED indicator on the charger will illuminate red. The battery is fully charged when the indicator on the charger turns green.
5. After charging, disconnect the AC-plug from the outlet and the charging plug from the battery.
6. Close the charging port cover to protect the charging socket.

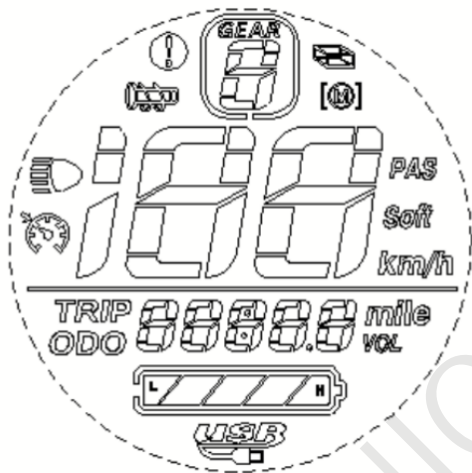
4. LCD function instructions

- Halo Knight continuously undergoes optimization and updates. The switch buttons and LCD shown in this manual and advertisements may differ in appearance from the Halo Knight e-scooters you receive.
- The functional descriptions provided in this manual are still applicable to your e-scooter.
- Different models of Halo Knight e-scooters come with distinct types of LCDs. The two commonly used LCDs are outlined below. Please check the specific LCD on your e-scooter. If your LCD is not listed, please contact our customer care team for the relevant LCD manual.

4.1. LCD-Panda V2 instructions

The Panda V2 LCD meter is generally used on 52V Halo Knight e-scooters.





► Function instructions

- Speed display: 0~199km/h or 0~199mph
- Gear display: adjustable from 1 to 3
- Information display: running time, single mileage (TRIP), total mileage (ODO), battery voltage (VOL)
- Fault icon display
- Battery level display
- Function parameter adjustment menu

► Description of buttons





Power button, hereinafter referred to as "P button"




Mode button, hereinafter referred to as "M button"


► Power switch on/off

- Power on: After turn on the voltage key, long press the P button  to switch on.
- Power off: In the non-setting state, long press the P button  to switch off, and turn off the voltage key.



► Toggle parameter display

After startup, in the speed display state, briefly press the power P button , to cycle through the TIME->TRIP->ODO->VOL display modes.

► Switch gears











In the speed display state, short press the M button , the 1~3 gears will be switched cyclically.

► Head light switch on/off



(requires controllers support) Press and hold the M button  for about 3s, the icon  is displayed, it means the light is on, otherwise it means the light is off.

► P-Value parameters settings

Parameter value P00-P09 modification

- Long press the P button  and the M button  at the same time for about 3s to enter the parameter setting interface.
- In the parameter setting interface, briefly press the P button  will toggle to next parameter, briefly press the M button  will toggle to previous parameter.
- In a specific parameter state, long press the P button  or M button  for about 3s to enter the setting state of the current parameter, the current parameter content will flash.
- After the current parameter content flash, briefly press the P button  to decrease the current parameter value, briefly press the M button  to increase the current parameter value.
- Once the parameter modification is complete, Long press the P button  and the M button  at the same time for about 3s to exit the setting interface.

► Fault Analysis

Show  : means electric brake fault. (It is normal for  to appear when braking, indicating that the electronic brake is working)

Shows  : means motor fault.

Show  : means display fault.

Show  : means controller fault.

WARNING

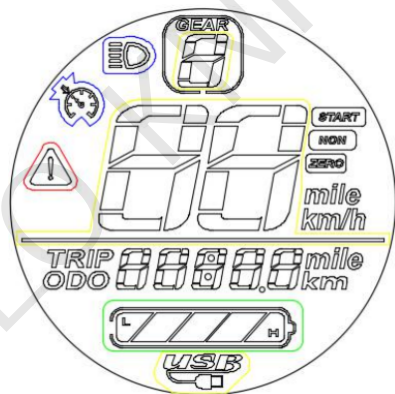
- All LCD parameters are preconfigured at the factory. It is strongly advised against customers resetting parameters, as doing so may result in chaotic adjustments that cannot be restored. Please note that such situations will not be covered under warranty.
- Avoid water entering the LCD meter, as it may cause damage, and such damage will not be covered by the warranty.
- Contact our customer care team for any scooter issues or fault codes. Do not open the battery compartment without permission or replace unauthorized accessories, as unauthorized changes may void the warranty.

Notes:

- There is a protective film on the surface of the meter. The protective film may have minor scratches, which is normal. You can remove the film to use the LCD instrument.
- To ensure transportation safety and prevent damage, instrument screws are intentionally loosened before leaving the factory. Please tighten them upon receipt for normal usage.

4.2. LCD-QS-S4 instructions



The QS-S4 LCD meter is generally used on 60V/72V Halo Knight e-scooters.




► Function instructions

- Speed display: 0~199km/h or 0~199mph
- Gear display: adjustable from 1 to 3
- Information display: single mileage (TRIP), total mileage (ODO), battery voltage (VOL)
- Fault icon display
- Battery level display
- Function parameter adjustment menu


► Power switch on/off

- Power on: After turn on the voltage key, long press the button  to switch on.
- Power off: In the non-setting state, long press the button , and turn off the voltage key.

► Toggle parameter display








After startup, in the speed display state, briefly press the button , to cycle through the ODO->TRIP->VOL display modes.

► Switch gears

In the speed display state, briefly press the button , the 1~3 gears will be switched cyclically.

► P-Value parameters settings

Parameter value P01-P20 modification

- Long press the button  and the button  at the same time for about 3s to enter the parameter setting interface.
- In a specific parameter state, briefly press or long press the button  to increase or decrease the parameter value. For changing the direction of addition or subtraction of parameter value, long press the button .
- After modification, briefly press the button  will toggle between parameters, saving the previous parameter value.
- Once the parameter modification is complete, long press the button  and the button  at the same time for about 3s to exit the setting interface. If not pressed, wait for 8 seconds to automatically exit and save the parameters.

► Fault Analysis

If your scooter experiences a breakdown, the LCD instrument will typically display a fault code ERR to assist you in diagnosing the issue.

Fault Code	Fault State	Remark
0	Normal	Your scooter is normal
1	Retain	
2	Brake	
3	The assistance sensor fault (riding symbol)	Not available
4	6KM/H Cruise	
5	Real Time Cruise	
6	Low Voltage	Low battery, charge your scooter
7	Motor Fault	
8	The Throttle Fault	
9	The controller fault	
10	Communication reception fault	
11	Communication transmission fault	
12	BMS communication fault	
13	The Lamp fault	

WARNING

- All LCD parameters are preconfigured at the factory. It is strongly advised against customers resetting parameters, as doing so may result in chaotic adjustments that cannot be restored. Please note that such situations will not be covered under warranty.
- Avoid water entering the LCD meter, as it may cause damage, and such damage will not be covered by the warranty.
- Contact our customer care team for any scooter issues or fault codes. Do not open the battery compartment without permission or replace unauthorized accessories, as unauthorized changes may void the warranty.
- E00 indicates your scooter is normal, while E06 signals a low voltage state, please charge your scooter promptly.
- Do not adjust (tighten or loose) the screws at the back of the LCD instrument to prevent damage to the accelerator spring. If the spring is damaged, it must be replaced, which is not covered by the warranty.

Notes:

- There is a protective film on the surface of the LCD instrument. The protective film may have minor scratches, which is normal. You can remove the film to use the LCD instrument.
- To ensure transportation safety and prevent damage, the LCD instrument screws are intentionally loosened before leaving the factory. Please tighten them upon receipt for normal usage.

5. Cycling instruction

Please carefully read the riding guide before riding to enhance control of your scooter and prevent unnecessary injuries.

5.1. Ride Prep

- Ensure safety by pushing the red rod up to the correct position.
- Before each ride, check that all screws and the frame are securely fixed.
- For safety, wear helmets, gloves, and knee/elbow pads before riding

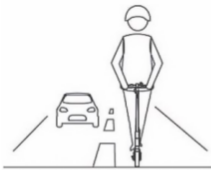


5.2. Riding Safety Tips

- Place one foot on the deck, kick with the other on the ground, and gently pull the throttle to accelerate slowly. Once stable, place the other foot on the deck. If the scooter has a seat, sit on it first.
- Do not yank the accelerator to start, please gently pull the accelerator to start the scooter to prevent instant acceleration and loss of balance.
- Lean your body right or left slightly when turning the steering handle bar steadily to right or left.
- Tilts the body forward slightly and bends to better maintain balance while riding forward.
- Please keep balance all the time during riding, do not jump off before the scooter is fully stopped.
- Release the accelerator and pull brake level gently to stop the scooter. Avoid sudden braking when driving at high speed, as the inertia may cause the vehicle to overturn and fall.
- Do not ride in inclement weather such as rain or snow, and refrain from tackling challenging terrains like icy roads or steep mountains.
- Do not ride in vehicle lane/free way.
- Do not carry any passengers.
- Do not press throttle when going downhill.
- Do not leave your hands off the handlebar while riding.
- Do not touch the brake disc and motor after riding, beware of burns.



NEVER ride in rain, frozen terrain.



NEVER ride in vehicle lane/free way.



NEVER carry any passengers.



NEVER put hands off the handlebar.



NEVER ride in high speed in uneven terrain.



Do not press throttle when going downhill.

5.3. Legal Statement

- Riding the electric scooter may cause hazardous consequences even if you obey all the safety instructions.
- We assume no responsibility for any claim, liability or loss incurred by customers' violation of clauses in this user manual.
- We are not liable for any incidental damages or consequential damages due direct or indirect use of this product.
- The rider by himself/herself shall undertake his/her responsibility for any unpredictable or inevitable risk during riding.
- RIDE AT YOUR OWN RISK.

6. Storage and transportation instructions

6.1. Storage

- During storage, it is not recommended to have the battery permanently connected to the charger.
- Store the e-scooter in the following locations: in a dry, well-ventilated room with a smoke alarm, away from combustible or easily flammable objects and away from heat sources.
- Store the e-scooter on a fireproof surface and without contact to water, heat sources, or sand. Protect the battery against moisture and water.
- Do not store the e-scooter at ambient temperatures lower than -20°C (-4°F) or over ambient temperatures of 50°C (122°F). For a long battery life however, it is best to store a battery at room temperature of approximately 20°C (68°F).
- Protect the e-scooter from damage by direct sunlight if you store it.
- Do not place any heavy items on the e-scooter or any e-scooter component.

6.2. Charging the battery before and during storage

- When you do not use the e-scooter for an extended period of time, charge the battery to 80% to meet the optimum storage condition.
- Check the charge level again after 1 month. If the remaining charge of the battery is less than 30%, charge it again to 80%.

CAUTION

A Li-Ion battery will self-discharge over time. If the battery is left uncharged, then stored without charging, it may discharge to such a low state ('deep-discharge') that the battery can no longer be charged and must be replaced.

6.3. Transportation of an e-scooter

- An e-scooter is heavier than a normal scooter. When transporting on a vehicle, be aware of the maximum load capacity of the vehicle's roof and towing hitch.
- Always respect local laws about transportation of an e-scooter.
- Because Li-Ion batteries of this size and power are considered 'Dangerous goods, class 9' when transporting, regulations may restrict the transport of separate Li-Ion batteries in some places. Make sure to check ahead with your airline or carrier, before booking your trip, if it is allowed to travel with your complete e-scooter.
- The e-scooter, including batteries, is subject to legislation on the transport of dangerous goods. Private users can only transport undamaged batteries by road without having to comply with additional requirements.

CAUTION

Shipping of all types of (separate) batteries, including lithium-ion and lithium metal types, may require the use of specialized packaging, specific hazard labeling, and specific documents certifying in compliance with the applicable local regulations.

7. Maintenance

Regular maintenance is essential for optimal performance and safety.

7.1. Scooter maintenance

- Use a damp cloth to clean frame stains. For scratches on plastic parts, use sandpaper; Cover metal frame scratches with a paint pen.
- Prefer dual drive when riding, especially uphill, to protect the rear controller.
- Avoid heavy rain and high-pressure water pumps for cleaning to prevent switch and display damage. Water ingress may cause battery short circuit, not covered by warranty.
- Turn off scooter, unplug charging cable, and close charging port cover during cleaning to avoid hazards.
- Store in a dry, cool room. Avoid prolonged outdoor exposure or trunk storage to prevent tire aging and scooter damage.
- Use mineral brake fluid for hydraulic brakes.
- Replace pads after 600km for comfort and safety (depends on usage habits).
- Use lithium-based grease for anti-oxidation on screws, shock absorbers, and to reduce mechanical wear.
- Inflate 10-inch tires to 310kpa, 11-inch tires to 350kpa, and 14-inch tires to 450kpa.

7.2. Battery maintenance

Due to different battery production batches, there may be differences in the color, pattern(such as wiring, interface and label) of the outer packaging . Please refer to the actual product. The performance and method of use and maintenance will generally not change.

- Use original battery packs, use other brands battery may cause failure or bring safety issues.
- Use original power adapter to avoid potential damage or fire, Charging current $\leq 6A$.
- Full Charge the battery for the first time once receive(until the lights of chargers turn green).
- Do not hit the battery or near the fire source.
- Do not touch the charging ports and keep the charging ports away from metal objects to prevent short circuit.
- Do not dismantle or puncture the casing of battery which may result in battery damage or even injuries.
- Do not put the battery in a damp place or in water, and water ingress is out of warranty.
- Keep the battery away from high-temperature heat sources and avoid charging in direct sunlight.
- Charge it once a month if you do not use it for a long time, make sure the battery have power all the time.
- Always charge before exhausting the battery to prolong the battery's lifespan, the 48V models are charged before the voltmeter drops to 42V, the 52v models are charged before the voltmeter drops to 45V, the 60v models are charged before the voltmeter drops to 51V, and the 72v models are charged before the voltmeter drops to 64V.
- Battery charging temperature is $0^{\circ}C-40^{\circ}C$, discharging temperature is $-20^{\circ}C-40^{\circ}C$.
- The battery can store electricity normally and discharge to the maximum at $25^{\circ}C$. When the temperature drops to $10^{\circ}C$, the battery's stored power will be reduced by 20%. Below $0^{\circ}C$, the stored power will be reduced by 30% or more, which is normal.
- Mishandling of used batteries may do tremendous harm to the environment. To protect natural environment, please follow local regulations to properly dispose used batteries.

7.3. Cleaning

Regular cleaning is essential for optimal performance and safety.

- To avoid an electrical shock when cleaning the scooter, disconnect the AC-plug from the electrical outlet and the charging plug from the battery.
- Do not immerse the e-scooter or any individual scooter component in water.
- Do not clean any scooter component with pressurized water.
- Only clean the product with a water-dampened soft cloth.
- Do not clean any scooter component with any detergent or organic solvent.

⚠ CAUTION

- Do not use high-pressure water or air hoses for cleaning. It can force water into (sealed) electric components, which may cause malfunctions and defects.
- Do not wash the E-scooter components with excessive water. If water reaches internal electrical parts, it may cause malfunctions and other problems.
- Do not use non-neutral cleaning solutions to wash the components. Non neutral solutions may cause materials to deteriorate, change colour, distort, scratch etc.
- Damage due to pressure washing or other heavy cleanings may void the warranty.

8. Warranty

8.1. Limited warranty terms and conditions

- This limited warranty is exclusively applicable to the original owner of an electric scooter purchased from Halo Knight, whether through online or in-store channels.
- The warranty period commences upon the placement of the e-scooter order and concludes immediately upon the expiration of the specified warranty period or upon the sale or transfer of the e-scooter to another individual.
- Under no circumstances does this limited warranty extend to any subsequent owner or assignees of the e-scooter.
- For electric scooters procured from a Halo Knight dealer, customers are advised to contact the dealer directly for warranty details.
- The completion of a warranty claim necessitates the submission of the purchase receipt or other proof of the date of purchase, along with the e-scooter's serial number.

► Warranty of 6 months for the electronic equipment:

- Lithium battery
- Motors
- Controllers
- LCD Display
- Switches
- Throttle
- Brakes
- Chargers
- Wiring

► Warranty of 3 months for the electronic equipment:

- Front lights
- Rear lights
- Brake lights
- LED lights
- Horn

8.2. Exclusions from limited warranty

The Limited Warranty excludes coverage for the following situations.

- Normal wear and tear on parts. (including but not limited to tires, inner tubes, brake pads, cables and scooter frame)
- Rusty screws, screws falling off and lost and screws slipping due to over forcing.
- Any unauthorized servicing or use of unauthorized parts.
- Modifications from the original condition of the electric scooter.
- Use of the electric scooter for abnormal, competition, and/or commercial activities, or for purposes other than those for which the electric scooter was designed.
- Damage caused by failing to follow the user manual.
- Damage caused by force majeure factors such as traffic accidents, natural disasters, and wars
- Paint finish and decal damage resulting from participating in competitions, jumping, downhill riding, and/or training for such activities or events, or as a result of exposing the electric scooter to, or riding the scooter in, severe conditions or climates.
- Batteries are not covered under warranty for damage caused by electrical surges, use of an incorrect charger, improper maintenance, misuse, normal wear and tear, or water ingress damage.
- Labour charges for part replacement or changeover.

8.3. Disclaimer

Do not tamper with your electric scooter. Tampering is removing or replacing any original equipment or modifying your electric scooter in anyway that may change its design and/or operation. Such changes may seriously impair the handling, stability and other aspects of the electric scooter, making it unsafe to ride. Tampering can void the warranty and render your electric scooter not in compliance with the applicable laws and regulations. To ensure safety, quality and reliability, use only original parts or Halo Knight authorized replacements for repair and replacement. Halo Knight is not responsible for any direct, incidental or consequential damages, including, without limitation, damages for personal injury, property damage, or economic losses due to tampering.

9. Disposal

- The e-scooter including the motor, controller, battery, LCD, wiring, accessories, and packaging should be disposed of in an environmentally correct manner according to local rules.
- Do not dispose of e-scooters and their components with household waste.
- About rules in EU: In accordance with Directive 2012/19/EU and Directive 2006/66/EC respectively, electronic devices that are no longer usable and defective/draind batteries must be collected separately and recycled in an environmentally friendly manner.

Contact

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Feel free to reach out to us for any inquiries about Halo Knight products or services. We will respond to you within 24 hours.



Official Website